

Title (en)

PROCESS FOR THE PREPARATION OF METHYLENE-BRIDGE POLYARYL AMINES

Publication

EP 0009094 B1 19820414 (DE)

Application

EP 79102584 A 19790721

Priority

CH 953778 A 19780912

Abstract (en)

[origin: US4297511A] Through condensation ortho- and para-isomers of methylene dianiline (MDA) as well as PMPPA are produced as condensation products from arylamines, especially from aniline, and formaldehyde in the presence of acid catalysts, in which at least one component is a perfluoro-carbonic acid. From this mixture of the condensation products, 4,4'-MDA (p-isomer) of high purity is obtained by crystallization while the homogeneous aqueous solution obtained is being cooled down. It has been discovered that the 4,4'-MDA salts of the perfluoro-carbonic acids are less soluble in water than the corresponding salts of the o-isomers and the PMPPA.

IPC 1-7

C07C 85/24; **C07C 85/26**; **C07C 87/50**

IPC 8 full level

C07C 209/78 (2006.01); **C07C 67/00** (2006.01); **C07C 209/00** (2006.01); **C07C 211/50** (2006.01); **C08G 12/08** (2006.01)

IPC 8 main group level

B01D (2006.01); **C08G** (2006.01)

CPC (source: EP US)

C07C 209/78 (2013.01 - EP US); **C08G 12/08** (2013.01 - EP US); **C08L 59/00** (2013.01 - EP US)

Cited by

EP0737667A1; EP0078414A1

Designated contracting state (EPC)

AT BE DE FR GB IT

DOCDB simple family (publication)

EP 0009094 A2 19800402; **EP 0009094 A3 19800416**; **EP 0009094 B1 19820414**; AT E848 T1 19820415; BR 7905790 A 19800715; DD 145911 A5 19810114; DE 2962512 D1 19820527; JP S5555144 A 19800422; PT 70004 A 19790801; US 4297511 A 19811027

DOCDB simple family (application)

EP 79102584 A 19790721; AT 79102584 T 19790721; BR 7905790 A 19790911; DD 21541279 A 19790907; DE 2962512 T 19790721; JP 11663179 A 19790911; PT 7000479 A 19790731; US 7231379 A 19790904